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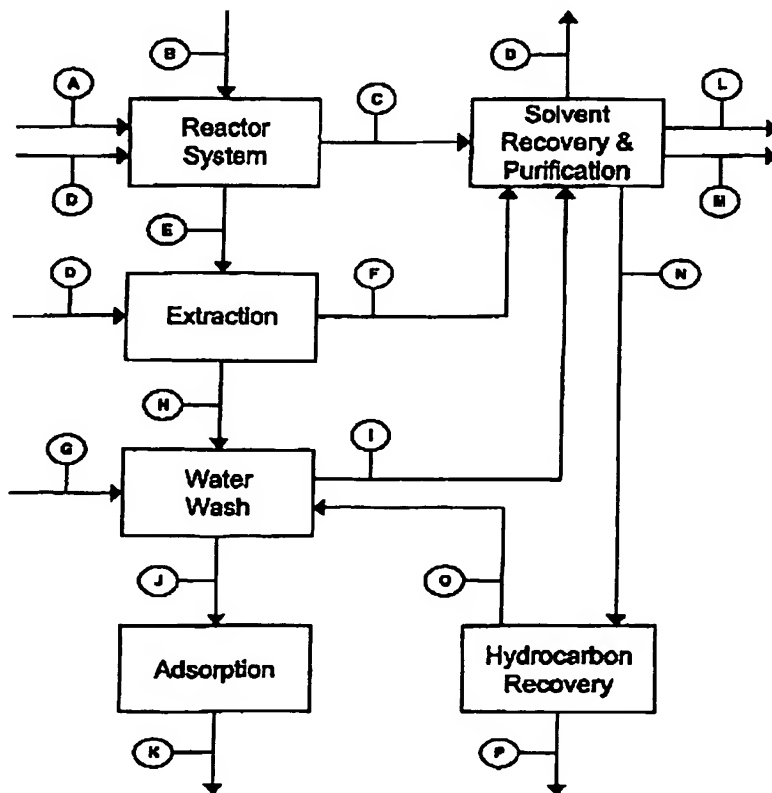
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(54) Title: METHOD AND APPARATUS FOR CONVERTING AND REMOVING ORGANOSULFUR AND OTHER OXIDIZABLE COMPOUNDS FROM DISTILLATE FUELS, AND COMPOSITIONS OBTAINED THEREBY



(57) Abstract: The present disclosure is directed to a multi-stage system and a process utilizing said system with the design of reducing the sulfur-content in a liquid comprising hydrocarbons and organosulfur compounds. The process comprising at least one of the following states: (1) an oxidation stage; (2) an extraction stage; (3) a raffinate washing stage; (4) a raffinate polishing stage; (5) a solvent recovery stage; (6) a solvent purification stage; and (7) a hydrocarbon recovery stage. The process for removing sulfur-containing hydrocarbons from gas oil, which comprises oxidizing gas oil comprising hydrocarbons and organosulfur compounds to obtain a product gas oil.

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